The codification of Soviet maritime law. Inform.sbor.TSNIIMF no.34:31-36 '58. (MIRA 14:3) 1. Sotrudnik-korrespondent TSentral'nogo nauchno-issledovatel'skogo instituta morskogo flota, nachal'nik otdela Ingosstrakha SSSR. (Maritime law)

DEMIN, G.I.; PLUZHNIKOV, A.I.; CHURAKOV, A.M., inzh.; ZHILIN, I.S., inzh.; MAKAROV, D.M., inzh.; LEBEDEV, N.D., inzh.; SHISHLOV, D.D., inzh.; IGLIN, V.P., inzh.; YEVLAYEV, E.S., laborant; KISELEV, V.V., laborant; KOTEL'NIKOV, V.V., laborant; TYULENEVA, N.I., laborant

Transfer of a holding furnace to heating by natural gas with self-carburation. Stal! 23 no.8:755-758 Ag '63. (MIRA 16:9)

1. Moskovskiy institut stali i splavov (for Demin, Pluzhnikov).
(Furnaces, Heating)

18,3200

78195 SOV/133-00-3-20/24

AUTHOR:

Zhilin, I. S. (Engineer)

TITLE:

Practice in Converting Heating Furnaces of Plate Mill

to Firing by Natural Cas

PERIODICAL:

Stal', 1960, Nr 3 pp 278-279 (USSR)

ABSTRACT:

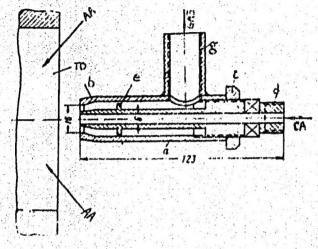
The new injector burner was designed and built at the "Serp and Molot" plant (zavod "Serp i Molot") in 1958. The combination gas-injector burner is installed 100-150 mm from tuyere opening (of 200 mm diam and 350 mm length) in the wall of the furnace. Gas and compressed air are supplied to the burner separately, and do not mix inside the burner, making the burner explosion proof. Depending on the rate of burning, the consumption of compressed air amounts to 0.1-0.5 m³/m³ of gas. This burner, having normal flameradiation, can be used on any type of furnace and boiler, and can replace any mazut (petroleum residue

card 1/3

Practice in Converting Heating Furnaces of Plate Mill to Firing by Natural Gas

78195 SOV/133-00-3-20/24

used as fuel oil) burner. The schematic diagram of combination gas-injector burner is shown in Fig. 1.



Card 2/3

See card 3/3 for caption.

Practice in Converting Heating Furnaces of Plate Mill to Firing by Natural Gas

78195 SOV/133-00-3-20/24

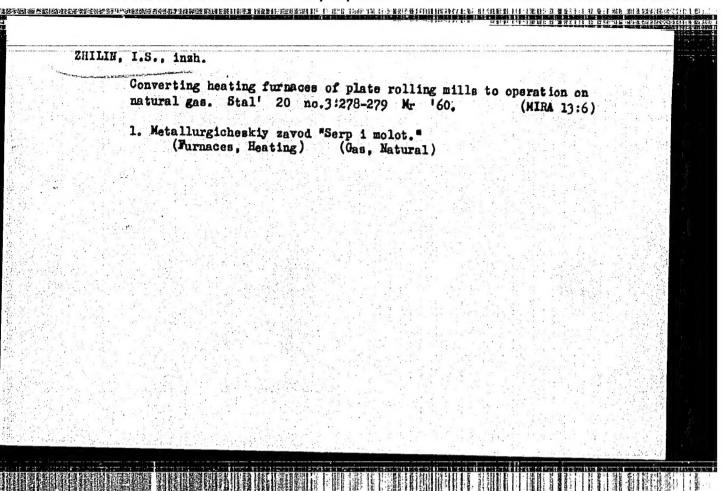
Fig. 1. The schematic diagram of combination gas injector burner. (a) cylindrical tube; (b) nozzle; (c) nut; (d) cylindrical air tube; (e) guides; (g) gas inlet; (CA) compressed air; (TO) tuyere opening; (AA) atmosphere air

There is 1 figure.

ASSOCIATION:

Metallurgical Plant "Serp and Molot" (Metallurgicheskiy zavod "Serp i Molot")

Card 3/3



		1122
Obshchaya Avariya Mariti e Law) 2. Izd. 87 P. Tables.	I Voprosy Morskogo Prava (Common Accidents and Problems of Isprav. I Dop.Moskva, 1zd-vo "Morskoy Transport." 1953.	
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ABRAMYAN, S.L.; AXSEL'ROD, S.M.; ALMXSETSV, R.A.; AL'TSHEL', S.A. [deceased].

BESPAIOV, D.P.; GADZHI-KASIMOV, A.S.; ZHILD, K.A.; LISTENGARTER, B.M.;

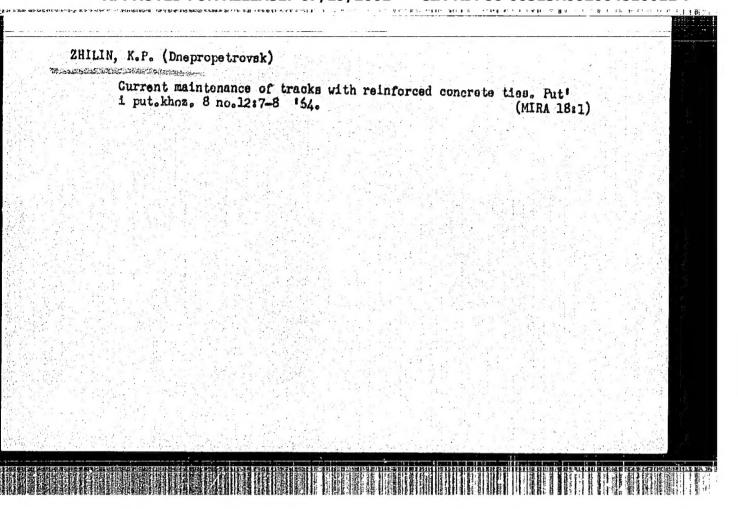
ODINGKOV, V.P.; PUTKARADZE, L.A.; SHIGENVICH, Yu.S.

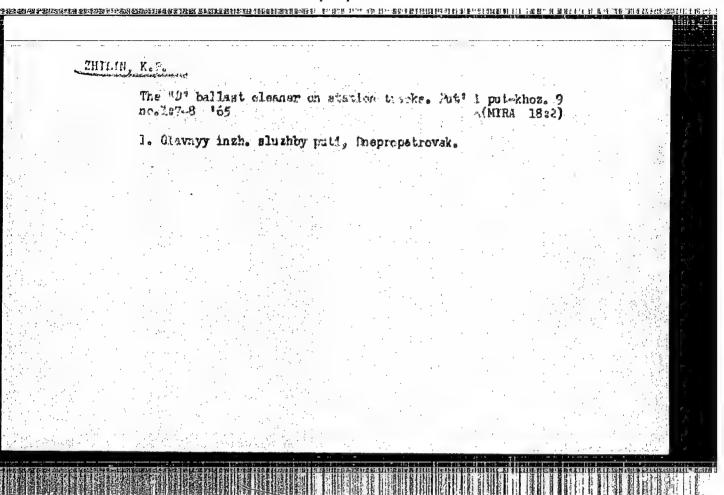
Meutron-neutron pulse method for investigating wells and results of its use in the Balakhan'-Sabunchi-Ramany fields. Aserb. neft. khos.

39 no.11:9-13 W 160. (MIRA 13:12)

(Apsheron Peninsula—011 well logging, Radiation)

ZHILIN, K.P. A book on efficiency of new technics. Put' i put. khoz. 9 no.3:38 '65. 1. Starshiy inzh. sluzhby puti, Dnepropetrovsk.

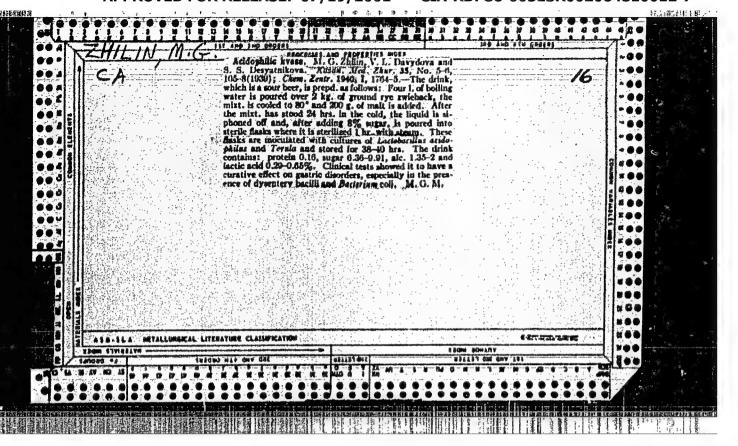




DRYAPIK, Ye.P., ZHILIN, L.P., insh.; SHERIE, D.P., insh.

Reorganization of the demanar Metallurgical Plant. Stal' 22 no.10:865-870 0'62. (MIRA 15:10)

1. Glavnyy insh. Kommunarskogo metallurgicheskogo zavoda (for Dryapik). (Kommunar (Donetsk Province)—Iron and steel plants)



ZHILIH, M.G., professor; HELKOREY, M.A.; ANDREYEVA, G.V.

Sanitary-hygienic requirements in field camps. Gig. i san. 21 no.4: 44-45 Ap 156. (MLRA 9:7)

1. Iz Chkalovskogo meditsinskogo instituta i oblastnoy sanitarnoepidemiologicheskoy stantsii. (AGRIQUITURE.

hyg. aspects of field camps (Rus))

DERIBAS, A.A. (Novosibirsk); ZHILIN, N.Y. (Novosibirsk); KRASNIKOV, N.D. (Novosibirsk); MARCHENKO, L.L. (Novosibirsk); SEVAST'YANOV, N.V. (Novosibirsk)

Vibrations of a concrete structure on a rock base under the action of explosive loads. PMTF no.2:140-143 Jl.Ag 60. (MIRA 14:6) (Hydraulic structures—Vibration)

KHRISTOFOROV, V.S.; BIBANOV, V.I.; ZHUKOVETS, A.M.; SANEL'NIKOV, V.S.;

ZHILIN, N.V.; MARCHENKO, L.L.

Effects of the earthquake of May 4, 1959 in the region of Petropavlovsk. Biul. Sov. po seism. no. 11:45-63 160 (MIRA 14:3) (Petropavlovsk region—Earthquakes and building)

ZHILIN P. doktor istoricheskikh nank, polkovnik, redakter; ROZAMOV, I.G. polkovnik, redaktor; LEVINSKAYA, N.Z., tekhnicheskiy redaktor.

[Most important operations of the Great Patriotic Var of 1941-1945; a collection of articles] Vashneishie operatisi Velikoi Otechestvennoi voiny 1941-1945 gg.; sbornik statei. Moskva, Voen.izd-vo M-va obor.SSSR, 1956. 622 p. (MIRA 10:4)

(Vorld Var, 1939-1945--Gaspaigns)

ZHILIN, Pavel Andreyevich Name:

Dissertation: Kutuzov's skill in military leader-

ship

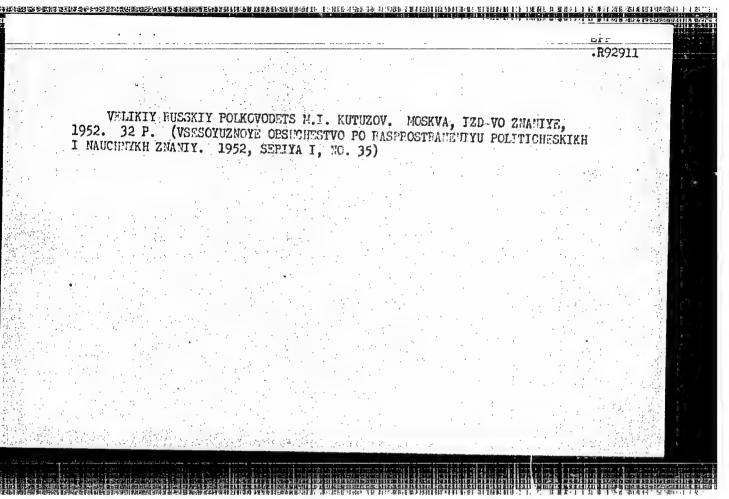
Degree: Doc Historical Sci

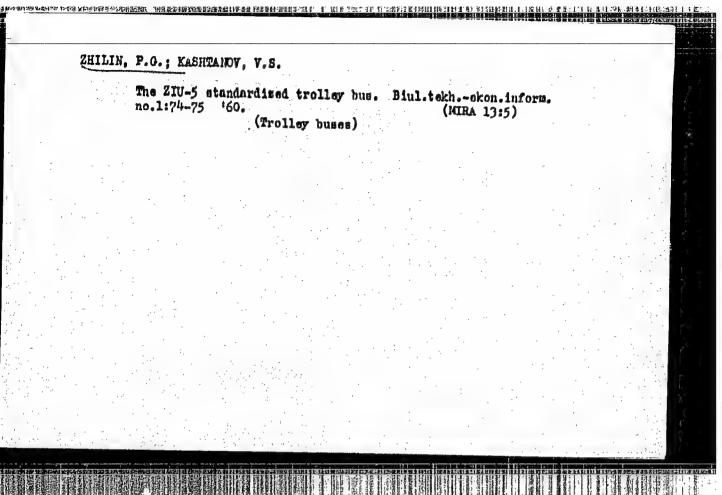
[not indicated] Affiliation:

30 Dec 55, Council of the Supreme Order of Suvorov 1st Degree Military Acad imeni Voroshilov Defense Date, Place:

26 May 56 Certification Date:

> Source: BMVO 4/57

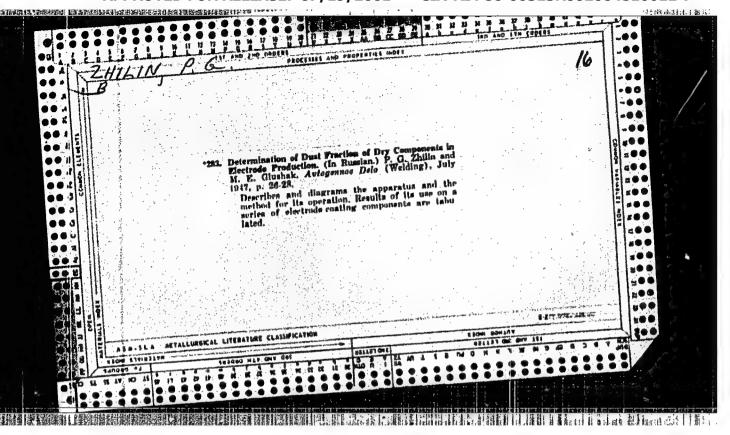


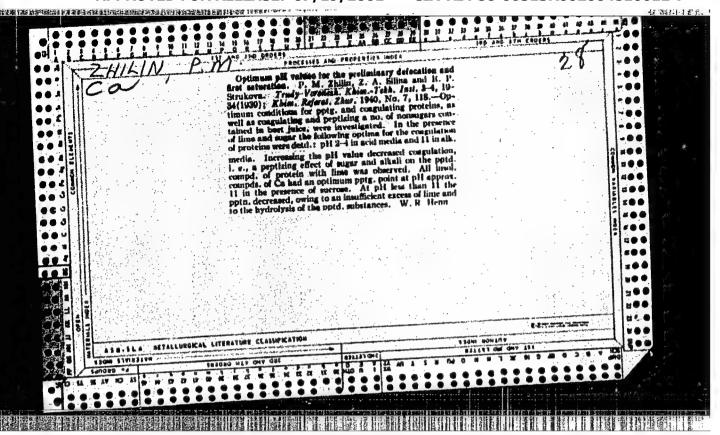


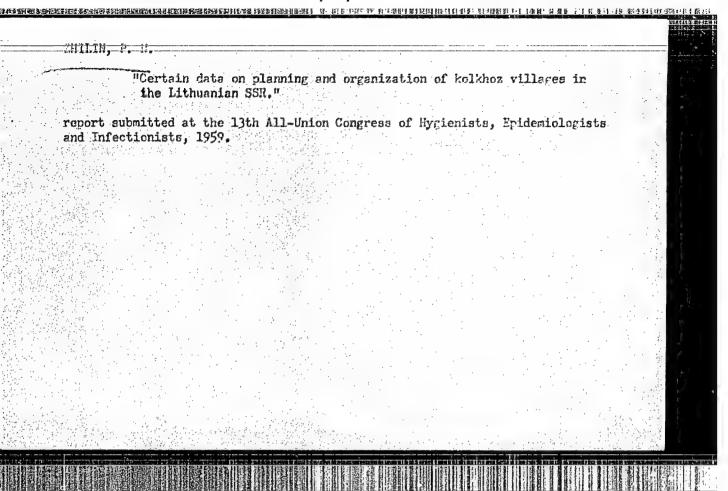
ZHILIN. P. G. Remont kornvaliyksogo kotla. Avtogen. Delo, 1949, No. 9, S.25

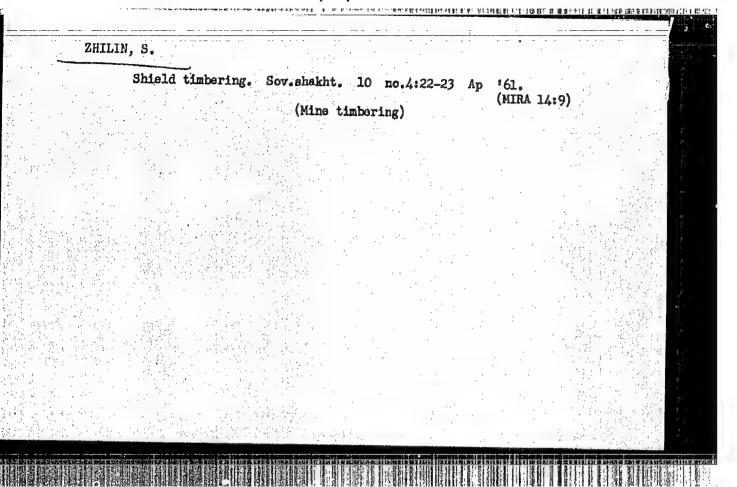
SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

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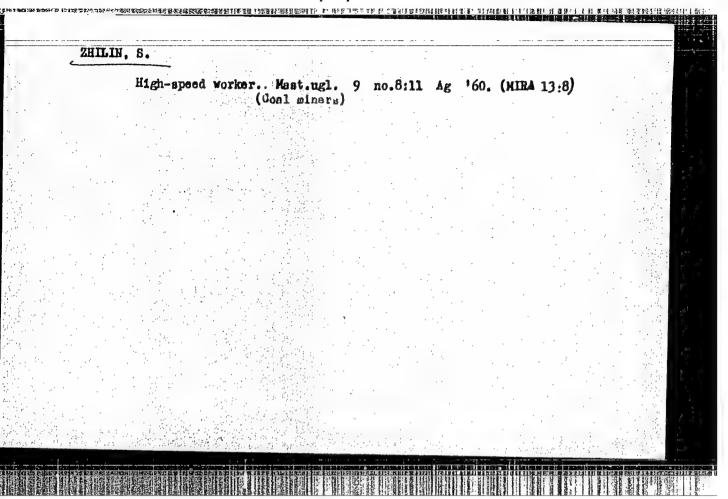








KAPUSTIH, K.; PLOTNIKOV, L.; SEHEBRYAKOVA, A., inzh.-tekhnolog; ZHILIN, S., inzh.-kulinar; GEIADZE, S., master-povar; MCHEDLISHVILI, I. Letters to the editor. Obshchestv. pit. no.7:36-37 Jl 159. (MIRA 12:12) 1.Avtozavodskiy trest stolovykh, g. Gor'kiy (for Serebryakova). 2. Zheleznodorozhnoye upravleniye rabochego snabzheniya Yuzhno-Ural'skoy shelesnoy dorogi (for Zhilin), 3. Zaveduyushchiy proizvodstvom stolovoy No. 469, Kiyev (for Geladse). (Restaurants, lunchrooms, etc.)

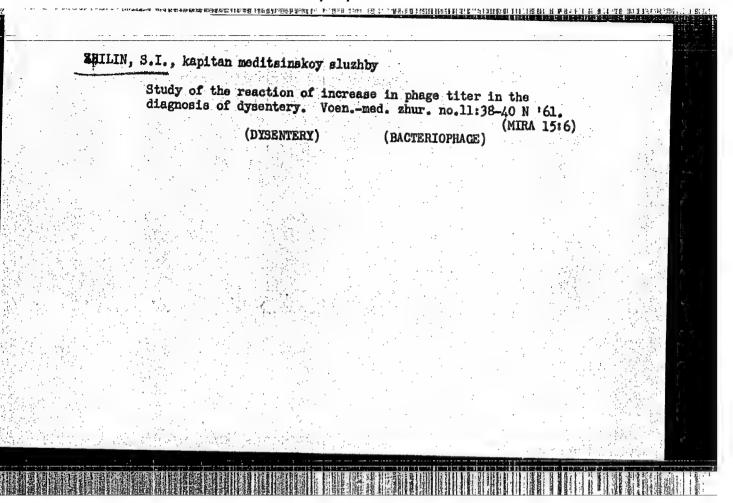


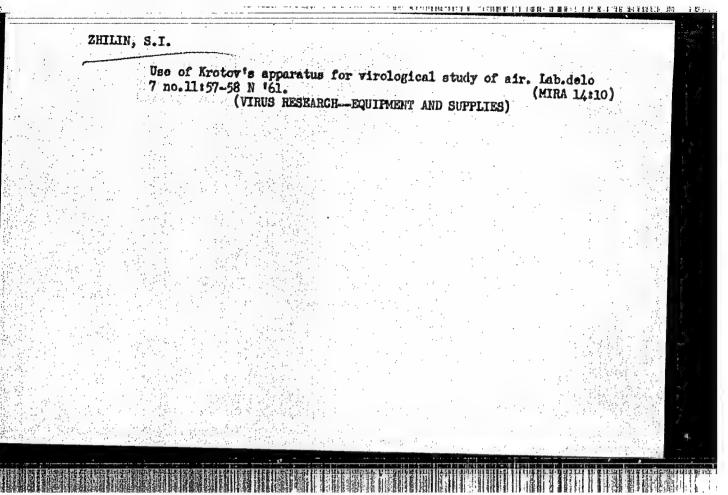
PRONEVOY, V.A.; ZHEZHEL', O.N.; ZHILIN, S.G.

New data on the stratigraphy of Paleogene sediments in the

New data on the stratigraphy of Paleogene sediments in the northern part of the Aral Sea region. Dokl. AN SSSR 152 no.6: 1412-1415 0 '63. (MIRA 16:11)

l. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut. Predstavleno akademikom V.N. Sukachevym.





ZIMINA, T.A.; KATSNEL'SON, I.A.; ZHILIN, S.I. Prinimali uchastye:

KRYUKOVA, T.N., mladshiy mauchnyy sotradnik; ROMODAHOVA, R.I.,

Iaborant.

Phytonoidal characteristics of onion, garlic, and some other
plants of Sakhalin. Izv. SO AN SSSR no.4 Ser. biol.,—med.nauk
no.1: 47-52'63.

L. Sakhalinskiy komplekenyy nauchno—issledovatel'skiy institut
Sibirskogo otdeleniya AN SSSR.

(SAKHALIN—PHYTOMCIDES) (SAKHALIN—ALLIUM)

PODLEVSKIY, A.V.; KOGAN, V.Ya.; GORCHAKOVA, Yu.P.; YELIZAROVSKIY, G.I.; RYABOSHAPKA, A.P.; REZNIK, S.R.; GOLUBEV, T.I.; GINTSE, L.A.; RASKIN, M.M.; ZUYENKO, P.G.; KHOMIK, S.R.; KATSNEL'SON, I.A.; ZHILIN, S.I.; LYSENKOV, M.N.; ROMANOV, B.G.; SAVENKOV, D.A.; GIL', L.T.; IEVINA, Ye.S.; VOVKI, A.S.; POSLEDOV, F.F.

Annotations. Zhur.mikrobiol., epid.i immun. 32 no.12:120-125 D '61.

(MIRA 15:11)

1. Iz Leningradskogo instituta usovershenstvovaniya vrachey imeni Kirova (for Podlevskiy). 2. Iz Ukrainskogo nauchno-issledovatel'skogo instituta kommunal'noy gigiyeny (for Kogan). 3. Iz Voronezhskogo meditsinskogo instituta (for Gorchakova). 4. Iz Arkhangel'skogo meditsinskogo instituta (for Yelizarovskiy). 5. Iz Kiyevskogo instituta epidemiologii i mikrobiologii (for Ryaboshapka, Reznik).

6. Iz zavoda meditsinskikh preparatov Leningradskogo myasokombinata imeni S.M.Kirova (for Golubev). 7. Iz Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni Tarasevicha (for Gintse). 8. Iz Chitinskogo instituta epidemiologii, mikrobiologii i gigiyeny (for Raskin). 9. Iz Ternopol'skogo meditsinskogo instituta (for Zuyenkö). 10. Iz Rostovskogo instituta epidemiologii, mikrobiologii i gigiyeny (for Khomik). 11. Iz Chelyabinskogo meditsinskogo instituta (for Gil', Levina, Vovki, Posledov).

(IMMUNOLOGY-ARSTRACTS) (EPIDEMIOLOGY-ABSTRACTS)

REMARCHUK, V.A.; ZHILIN, S.N.; GOLUBEV, V.A.; PAZUSHCHAN, A.L.; ASIMARIN, M.Ya.; CHACHKIS, D.G.

[Standards for the repair of excavators and crushing and sorting equipment; a handbook] Normativy na remont ekskavatorov i drobil'no-sortirovochnogo oborudovaniia; spravochnik. Moskva, Nedra, 1965. 190 p. (MIRA 18:7)

1. Nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut po dobyche poleznykh iskopayemykh otkrytym sposobom. 2. Laboratoriya mekhanizatsii vspomogatel'nykh protsessov remontnykh i takelazhnykh rabot Nauchno-issledovatel'skogo i proyektno-konstruktorskogo instituta po dobyche poleznykh iskopayemykh otkrytym sposotom.

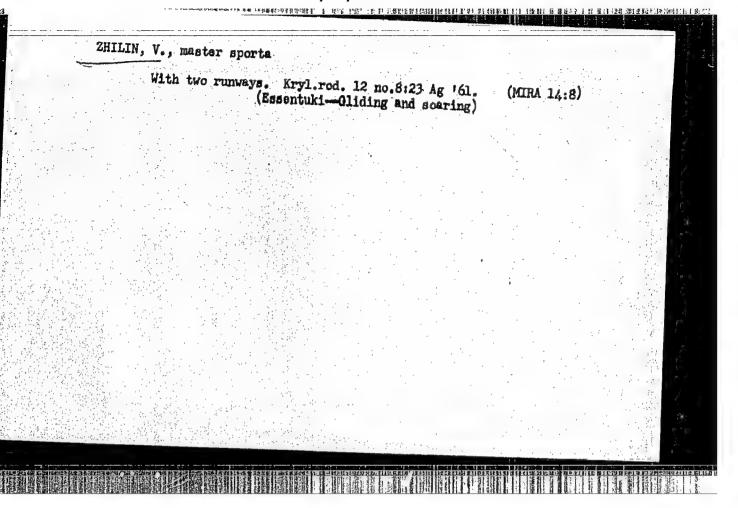
DOBROVOL'SKIY, N.L.; SHEVCHUK, B.M.; ZHILIN, S.P., redaktor; SAVIN, M.M., redaktor; KOROVENKOVA, Z.A., teknicheskiy redaktor; PROZOROVSKAYA,

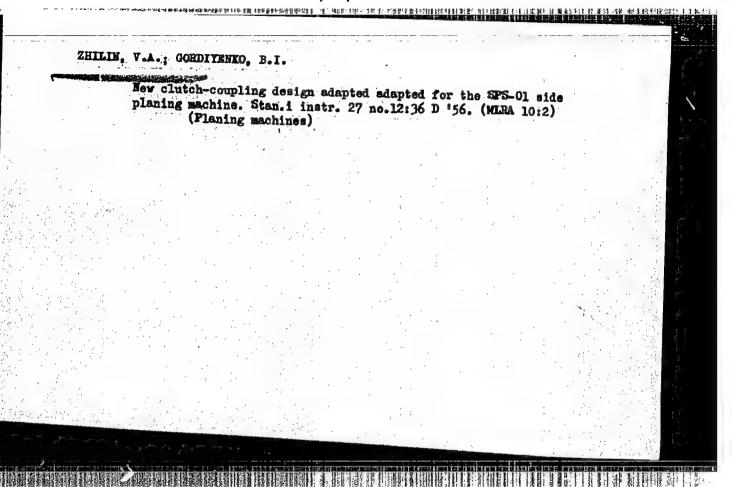
V.L., tekhnicheskiy redaktor

[Organizing the construction of coal proparation plants] Organizatsiia stroitel'stra ugleobogatitel'nykh fabrik. Moskva, Ugletekhizdat, 1954.

(Coal preparation) (Industrial buildings)

(MIRA 8:4)





ZHILIN, V.A.; TRUECHANINOV, A.V.; STROGANOV, F.P.

Drilling of hardened manganese steel Gl3L.
23-24 Mr '63.

(Drilling and boring)

(MIRA 16:5)

EWT(d)/EEC(k)=2/EWP(1)IJP(c) GG/P SOURCE CODE: ACC NR: AT6014775 UR/2752/63/000/051/0055/0068 AUTHOR: Zhilin, V. A. ORG: none TITLE: Automatic processing of data received from pulsed radio-navigation systems using electronic digital techniques SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 51, 1963. Vychislitel'naya tekhnika i aviomatizatsiya na morskom flote (Computer technology and automation in the merchant marine), 55-68 TOPIC TAGS: electronic data processing, data processing equipment, telemetering data, digital computer, radio transmission, navigation system ABSTRACT: The article deals with the fundamental problems involved in the automatic processing of data obtained from the radio receiver of a pulsed radio-navigation system (automatic search, automatic tracking, measuring). It is shown that data processing equipment based on discrete techniques enjoys a number of advantages over equipment using continuous signal principles. An analysis is made of information losses due to the quantizing of a continuous random function, and a determination is made of the efficiency of the quantizer as a function of the Card 1/2

L 02261-67 ACC NR: AT6014775

quantizing step. It is found that the use of discrete-action circuitries for the automatic detection of a radio-navigational signal in the presence of noise, automatic tracking, and time interval measurements makes possible the complete elimination of electromechanical components, reducing gears, and other high-precision elements. A digital device is seen to consist essentially of standardized functional components which can be developed in a transistorized micromodule format. The use of discrete-action arrangements for the detection of a signal-noise mixture makes possible the easy realization of the Wald method which provides a gain in operational speed of approximately 2 times over the classical method. At the same time, such a digital system for automatic tracking is significantly simpler in design than the conventional electromechanical system designated for the same purpose, provides practically the same order of accuracy, and gives read-outs of measured time interval values in a binary code which is suitable for direct input into a navigational-type digital computer. Orig. art. has: 9 figures and 12 formulas.

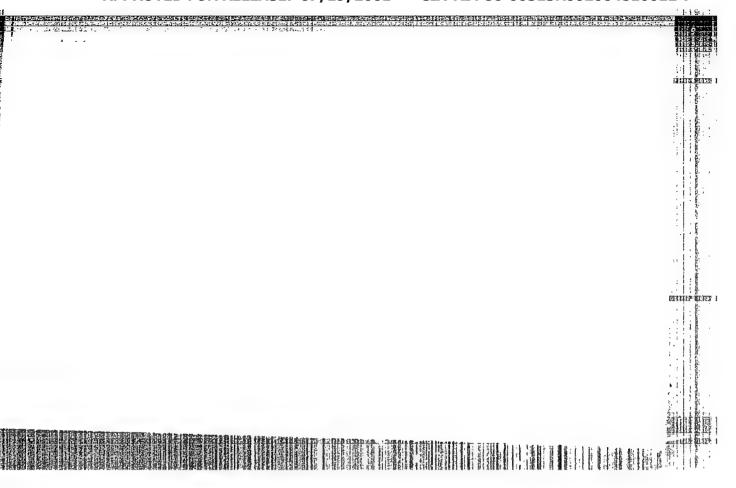
SUB CODE: 09,17/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 003

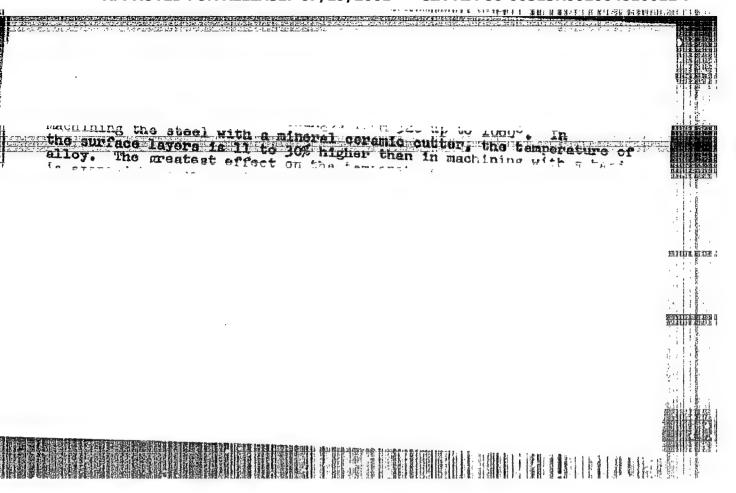
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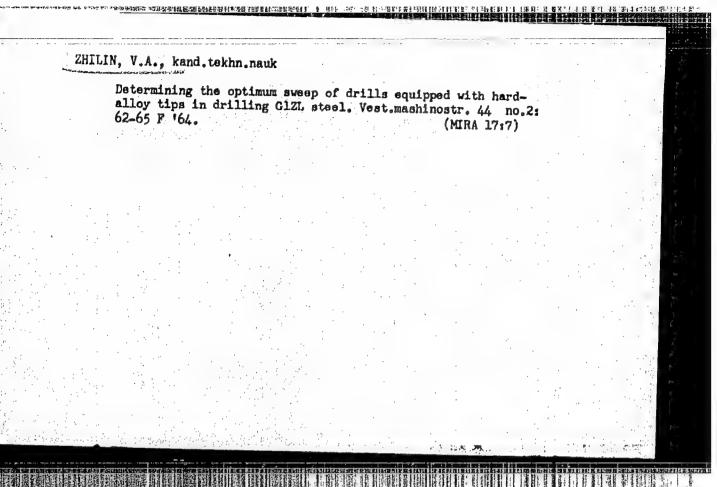
TOLKACHEV, L.A., lnzh.; KRICHEVSKIY, I.Ye., inzh.; SUDAKOV, V.B., inzh.; ZHILIN, V.A., inzh.

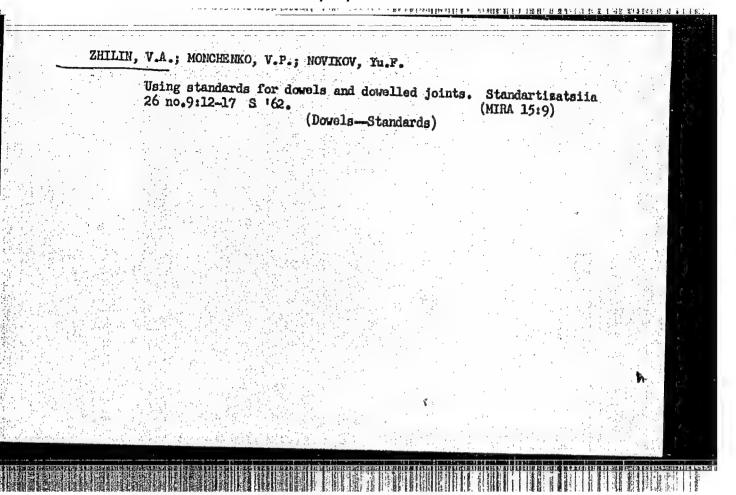
Use of a polyethylene film in the prevention of cracking due to shrinkage. Energ. stroi. no.1:56-59 '65. (MIRA 18:7)

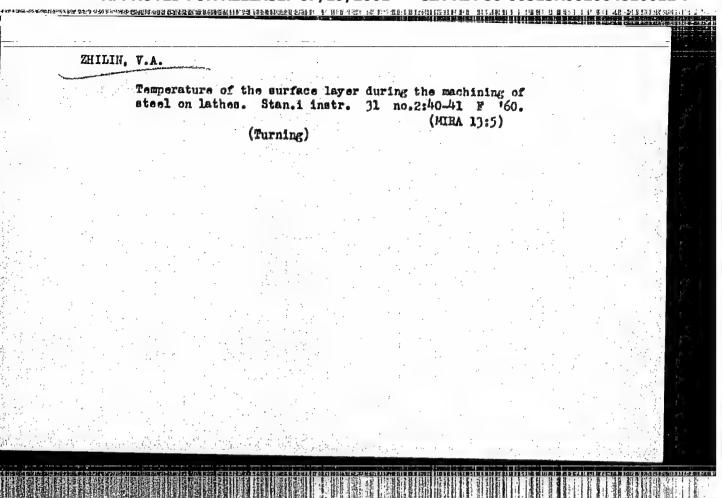


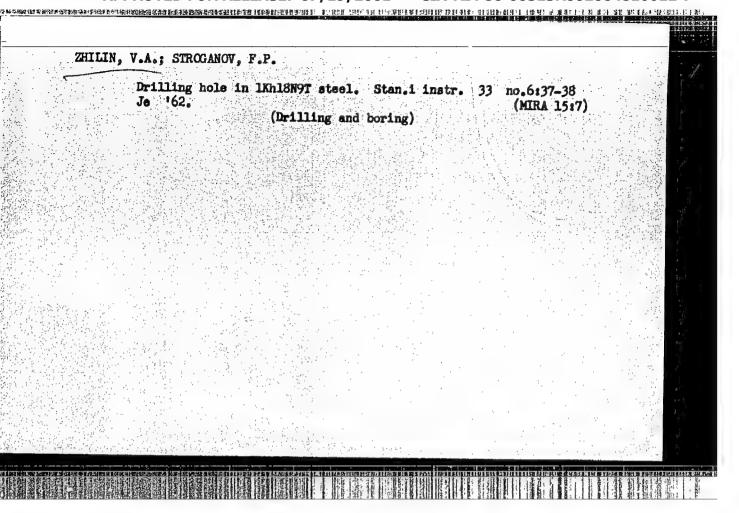


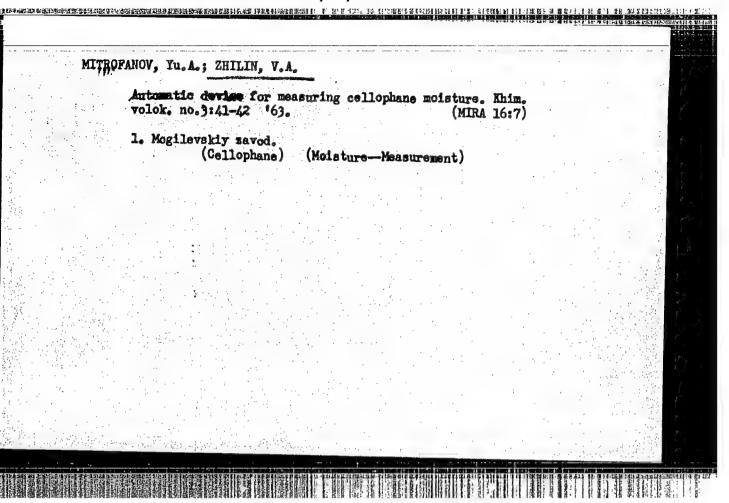
Use of electronic digital computers in measuring time intervals.
Inform. sbor. TSNIMF no.98 Sudovozh. i sviaz' no.23:23-31 '63.
(MIRA 18:11)

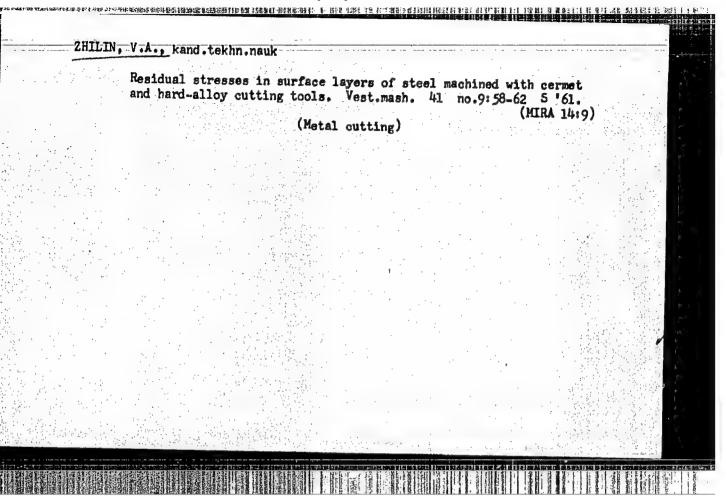












S/121/62/000/006/009/011 D040/D113

AUTHORS:

Thilin, V.A., and Stroganov, F.P.

TITLE:

Drilling holes in 1Kh16N9T steel

PERIODICAL:

Stanki i instrument, no. 6, 1962, 37-38

TEXT: Results are presented of an experimental investigation conducted by the Nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya (Scientific Research Institute of Machinebuilding Technology) in Rostov-na-Donu, and recommendations are given concerning techniques for deep drilling in acidproof 1X18H9T (1Khl8N9T) steel which is prone to strain hardening and causes difficulties in drilling deep holes. It is recommended to use a sulfurated 10% emulsion for drilling fluid; to drill with 12-18 mm diam. drills using 10-14 m/min speed and 0.25-0.35 mm/rev feed. The following geometric drill parameters are recommended: 140° tip point angle; 12° tip clearance angle; 27° helix; 0.4 mm wide margins. Feed has a very high effect because of strain hardening, e.g. at 0.1 mm/rev feed the depth of the strain-hardened metal

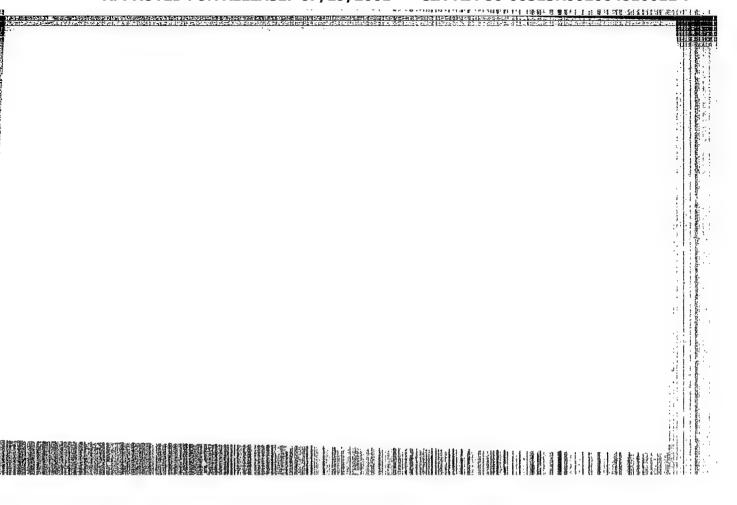
Card 1/2

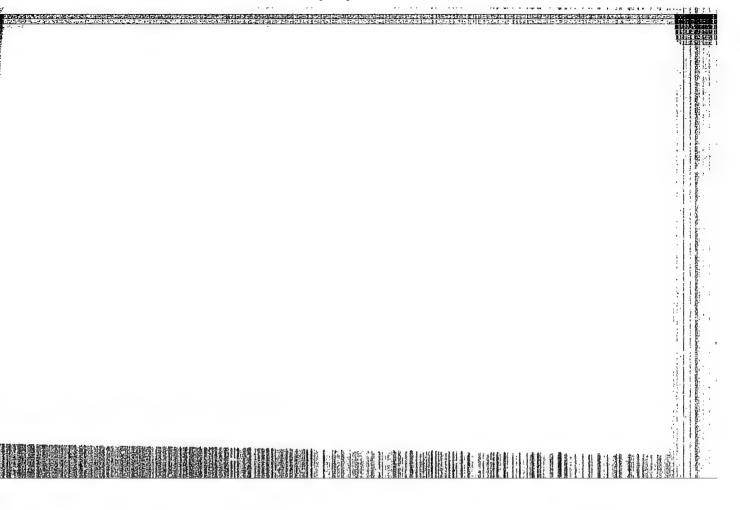
Drilling holes in 1Kh18N9T steel

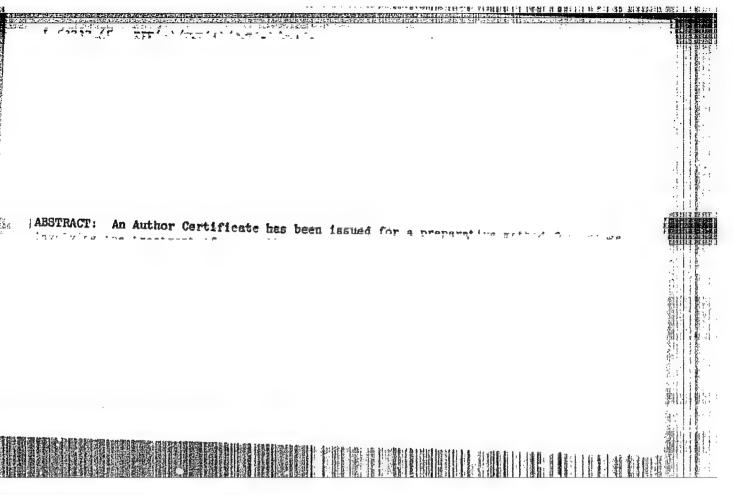
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layer equals or even exceeds the feed value. Besides, fine chip of 1Kh18N9T steel easily accumulates in the drill flutes causing jamming and breakage. It is not recommended to split up the chip. Detailed recommendations are illustrated by a drill tip diagram and graphs. There are 9 figures.

Card 2/2







SHUTOV, G.M.; ZBARSKIY, V.L.; ZHILIN, V.F.; ORLOVA, Ye.Yu.

Nucleophilic substitution by halogen in aromatic nitro compounds. Part 2: Catalytic effect of pyridine in reactions of polynitro derivatives of benzene and phenol with phosphorus oxychloride. Zhur. ob. khim. 35 no.8:1358-1361 Ag '65. (MIRA 18:8)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.



SHUTOV, G.M.; ZRARSKIY, V.L.; ZHILIN, V.F.; ORLOVA, Ye.Yu.

Nucleophilic substitution of halogen for a nitro group in aromatic nitro compounds. Part 1: Interaction of tetranitro derivatives of benzene with halogen acids and phosphoryl chloride. Zhur.ob.khim. 33 no.10:3210-3211 0 163.

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.

29294-66 EMP(1)/EMT(m)/T RM/MW/JW/JMD ACC NRI AP6019318 SOURCE CODE: UR/0079/65/035/008/1358/1361 AUTHOR: Shutov, G. M.; Zbarskiy, V. L.; Zhilin, V. F.; Orlova, Yo. Yu. ORG: Moscow Chemicotechnological Institute in. D. I. Mendeleyev (Moskovskiy khimiko TITIE: Nucleophilic substitution of halogen in aromatic nitro compounds. II. Catalytic action of pyridine in reactions of polynitro derivatives of benzene and phenol SOURCE: Zhurnal obshohoy khimii, v. 35, no. 8, 1965, 1358-1361 TOPIC TAGS: aromatic nitro compound, catalysis, pyridine, chemical reaction ABSTRACT: The substitution of NO groups with Cl in 1,2,4,6-tetranitrobenzene, 2,3,4,6-tetranitroaniline, 2,3,4,6-tetranitro-phenol, 1,2,4-trinitrobenzene, 3,4,5-trinitrotolune//3,4,5trinitrochlorobenzene, 3,4-dinitrochlorobenzene, o-dinitrobenzene, and p-dinitrobenzene was studied. The dinitro derivatives of benzene did not react either with concentrated HCl or with POCl3 in the presence of pyridine. The trinitro derivatives reacted with POCL3 under substitution of the activated NO2 group, but only in the presence of pyridine. Tetranitrobenzene and tetranitroaniline Card 1/2 547.546:+547.564.3

29294-06 ACC NR: AP6019318 did not react with POCl3 in the absence of pyridine, but reacted with it when pyridine had been added, yielding chloro derivatives (2,4,6-trinatro-3-chloroaniline in the case of tetranitroaniline). Tetranitrophenol reacted with POCL3 in the absence of pyridine, yielding 2,4,6-trinitro-3-chlorophenol, but the reaction took place only when the mixture was diluted with water. Apparent tetranitrophenol reacted with HCl formed by hydrolysis of POCl3. Apparently, Addition of pyridine to tetranitro derivatives required caution, because pyridine was ignited by them. The reaction of styphnic acid (1,3-dihydroxy-2,4,6-benzene) with POCl₃ in the presence of pyridine hydrochloride resulted in the formation of 2,4,6-trinitro-3-chlorophenol. This indicated that electrophilic substitution must be the initial stage of the reaction of nitrophenols with POC13 (apparently substitution of H in 3-OH with a POC12 Sroup took place.) A reaction of monopyridine styphnate with POCl3 in the presence of water did not take place, while in the absence of Water 1, 3-dichloro-2, 4, 6-trinitrobenzene formed. Addition of pyridine to a suspension of styphnic acid in POCl3 resulted in igni-tion||of the mixture; for this reason monopyridine styphnate was prepared initially and the salt brought into reaction with POCl3. Orig. art. has: 2 figures and 2 formulas. [JPRS] SUB CODE: 07 / SUBM DATE: 04Jul64 / ORIG REF: 003 / OTH REF: 002

30402-66 EWP(j)/EWT(m)/ETC(f)/T -RM/DS/WW/JW/JWD/WE ACC NR AP6008099 SOURCE CODE: UR/0076/66/040/002/0504/0506 AUTHOR: Zhilin, V.F.; Zbarskiy, V.L.; Shutov, G.M.; Orlova, Ye. Yu. ORG: Moscow Chemical Engineering Institute im. D.I. Mendeleev (Moskovskiy khimikotekhnologicheskiy institut) TITLE: Methods of studying the kinetics of fast exothermic reactions SOURCE: Zhurnal fizicheskiy khimii, v. 40, no. 2, 1966, 504-506 TOPIC TAGS: chemical reaction kinetics, heat of reaction, exothermic reaction, tertiary ABSTRACT: An attempt was made to work out a technique which would make it possible to minimize the error introduced by the period of mixing of the reagents in exothermic reactions. To this end, use was made of the reaction of hexamethylenetetramine or its dinitrate with anhydrous nitric acid (which yields cyclotrimethylenetrinitroamine). The heat of reaction is 88.0 kcal/mole when hexamethylenetetramine is used, and 41.7 kcal/mole when its dinitrate is employed; to eliminate the overheating (which would raise the reaction temperature to 160C for hexamethylenetetramine), the reagents were first cooled. A method is given for calculating the "equivalent time of mixing"; eq, i.e., the reaction time at a constant temperature T₁ required for the desired concentration of the product c₁ Card 1/2 UDC: 541/.54

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introduced hexothermic	y the peri	od of mixin	g of the co	mponent	s in studi	used for r es of the l	educing the cinetics of i	ast .	
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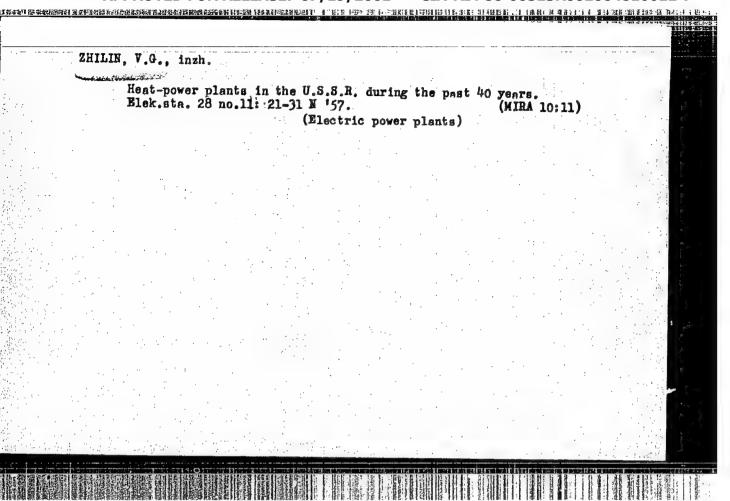
APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810012-7"

ZBARSKIY, V.L.; SHUTOV, G.M.; ZHILIN, V.F.; ORLOVA, Ie.Tu.

Some particular features of nitration in the diphenylamine series. Zhur. org. khim. 1 no.721237-1239 Jl *65.

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I.

Mendeleyeva.



507/25-59-1-8/51 AUTHOR: Zhilin, V.G., Deputy Chief Engineer of "Teploelektroproyekt Gas Turbines in Power Plants (Gazovaya turbina na elektro-TITLE: stantsii) Nauka i zhizn', 1958, Nr 1, p 14 (USSR') PERIODICAL: The use of gas turbines in power plants has good prospects. ABSTRACT: In 1958 the Satskaya Power Plant produced a stationary gas turbine unit with a capacity of 12 kw to be operated by gas obtained from the subground gasification of coal. At present the institut "Teploelektroproyekt" (Institute "Teploelektroproyekt") is developing plans for using test samples of gas turbines with a capacity of 25,000 and 50,000 kw in thermal power stations. These turbines will be put into operation in 1961-1965. There is 1 photo.

Card 1/1

· AJTHOR:

Zhilin, V.G., Engineer

SOV-91-58-9-1/29

TITLE:

The Basic Development Trends in Thermo-Power Engineering for the Period 1959-1965 (Osnovnyye napravleniya razvitiya te-

ploenergetiki v period 1959-1965)

PERIODICAL:

Energetik, 1958, Nr 9, pp 1-5 (USSR)

ABSTRACT:

Electric energy production in the USSR is to be raised from 210 billion kwh in 1957 to 500-515 billion kwh in 1965, with an increase in the rated capacity of electric power plants from 48 to 108 million kw. Several measures for achieving this increase are listed. Plant capacity must be enlarged. Thermal electric plants with a capacity of 600-1,200 Mw and 150 or 200 Mw turbines for steam at 130 atm, 565°C, are at present being constructed. The next step will be the introduction of 300 and 600 Mw turbines for steam at 240 atm, 580°C, with intermediate heating to 565°C. The capacity of condensation power plants will be raised to 2,400 Mw. The adoption of the block lay-out system for power plants, compared to the cross connection system, avoids the necessity of using complicated steam piping and favors the introduction of automation and centralized remote control. These changes necessitate corresponding changes in the design and

Card 1/4

SOV-91-58-9-1/29 The Basic Development Trends in Thermo-Power Engineering for the Period 1959-1965

lay-out of plant buildings. The turbines should be installed across the machine hall instead of along it and there should be a single combined bunker-deaerator assembly. A table showing fuel consumption versus the kwh generated is plotted for the various capacities of a generator, arranged in this way. This shows that 2,400 Mw power plants with 600 Mw generators need only half the capital investment of plants of the same capacity fitted with 50Mw turbines. In the future, 300 and 600 Mw turbines for steam at 240 atm, 580/565° must be developed with a fuel/energy ratio of not more than 1,810 to 1,830 large cals/kwh and fitted with boilers producing steam at 900 to 1,800 ton/h. efficiency 91.5 to 93% with coal and dried-out lignite and 90-91% with anthracites and moist lignites. The production of natural gas in the USSR will rise from 9 billion cu m in 1955 to 150 billion cu m in 1965 and, subsequently, to 280 billion cu m in 1970. A large part of this will be consumed in gas-turbine electric power plants. Compared with power plants using coal fuel. such plants cut capital investment costs by 20 to 28%, personnel by 20 to 35%, electric power consumption inside the plant by 30%, the cost of electricity generated by 7 to 11% and the building time by 8 to 10 months. Plants with 100 to

Card 2/4

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The Basic Development Trends in Thermo-Power Engineering for the Period 1959-1965

200 Mw capacity would be fitted with 25 or 50 Mw gas turbines. From 1959 to 1965, gas turbines with a total capacity of 1,000 Mw are to be installed in 7 electric power plants. To cut building costs and save on materials in short supply, open or semi-open power plants are to be built. Gas turbines are very suitable here. Special electrical equipment for these conditions is already being produced. By 1965, 9 open plants with a total capacity of 4 million kw and 11 semi-open plants with total capacity of 14,175,000 kw are to be constructed. The use of an open or semi-open design cuts building time by 4 to 6 months. Apart from new power plants, the efficiency and output of existing ones can be improved. Power plants with capacities of 50 Mw and over lend themselves to economical modernization. For this purpose 100 Mw and 50 Mw turbines for steam at 300 atm, 650 C or 240 atm, 580 C, could be installed in addition to

Card 3/4

The Basic Development Trends in Thermo-Power Engineering for the Period 1959-1965

the existing turbines. "Tail" turbines would be converted into counterpressure turbines. Exhaust steam would be used for heating nearby houses and buildings. Studies by the "Teploproyekt" Institute indicate that this type of modernization is a practical and economic proposition. There are 2 schematic diagrams, 2 graphs and 1 table.

1. Electric power production--USSR 2. Steam power plants--USSR

Card 4/4

SOV/25-58-11-16/44

AUTHOR:

W.C., Deputy Chief Engineer of the All-Union State

Planning Institute "Teploelektroproyekt"

sakke sakarandakennya manammangangan bandan bandangan mana alah pangan sa sa bandan bandan. A bandan bandan ba

TITLE:

2,400,000 kw (2,400,000 kw)

PERIODICAL:

Nauka i zhizn', 1958, Nr 11, pp 36-40 and p 3 of centerfolds

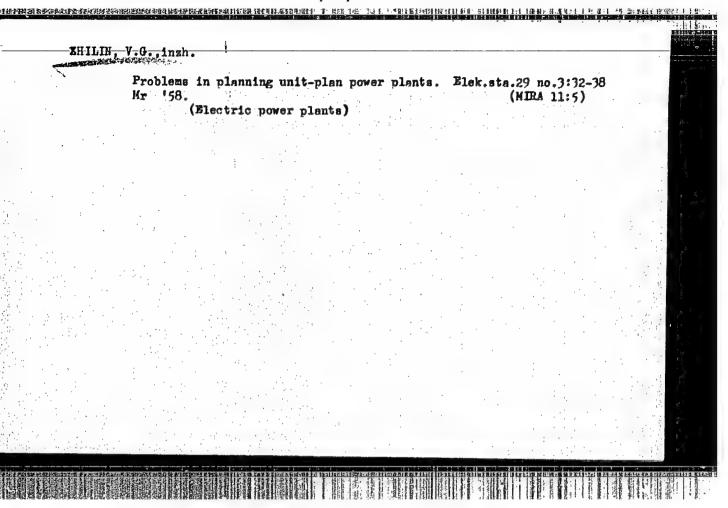
(USSR)

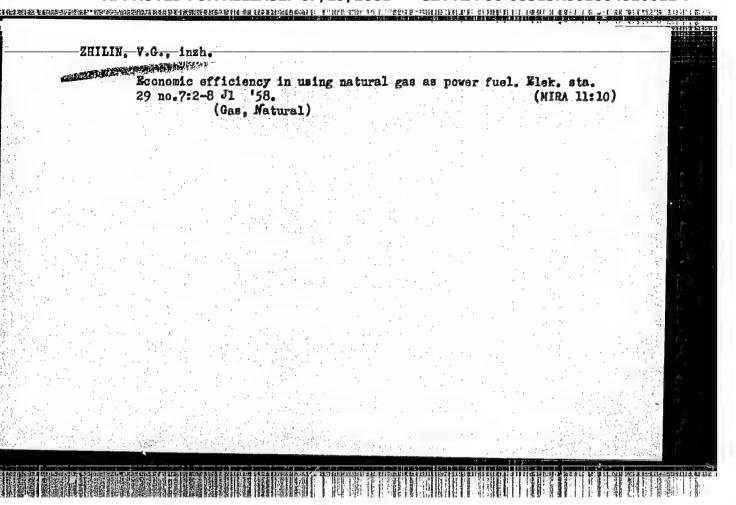
ABSTRACT:

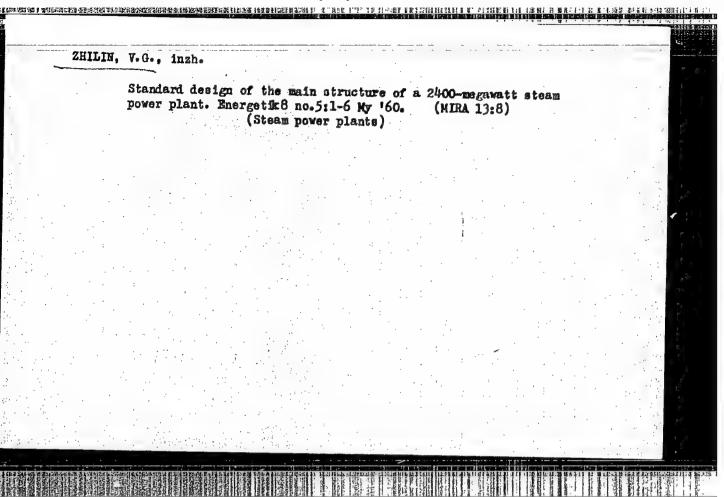
The Vsesoyuznyy institut "Teploelektroproyekt" (All-Union Institute "Teploelektroproyekt") engaged in research on giant power stations, is considering plans for the construction of a power station with a capacity of 2,400,000 kw in the next few years. The author considers this project in detail, but finally comes to the conclusion that the first condition for such a power station are turbo-generators of 600,000 kw (or 300,000 kw) which are not yet available. Thus this is only a project for the future.

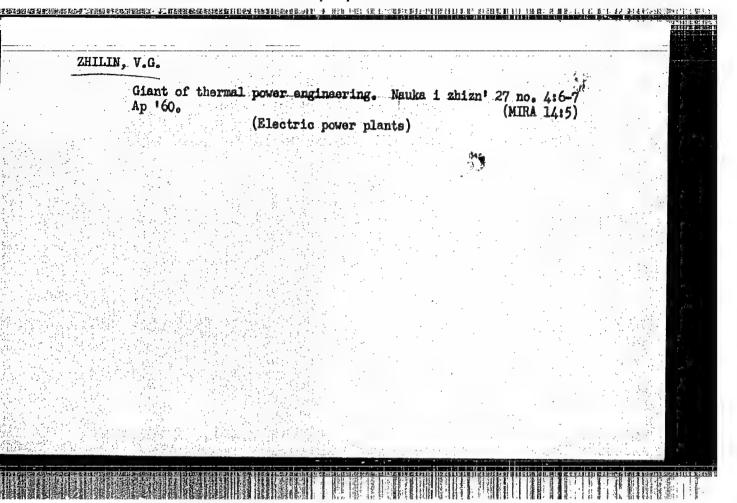
There are 3 sketches, 1 graph and 2 diagrams.

Card 1/1



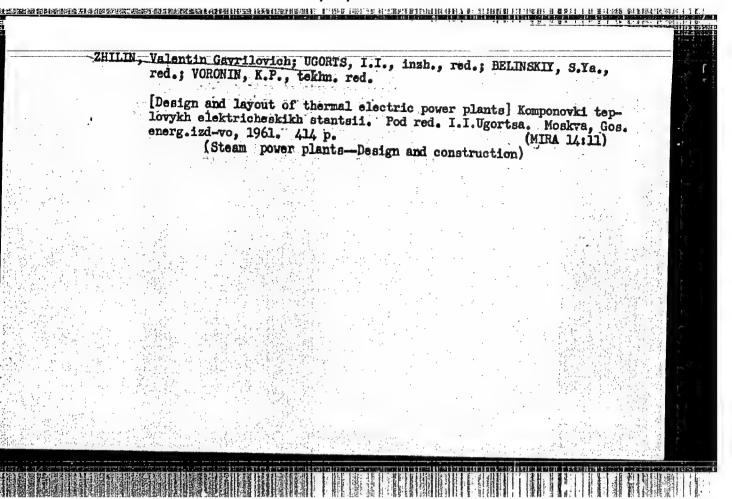






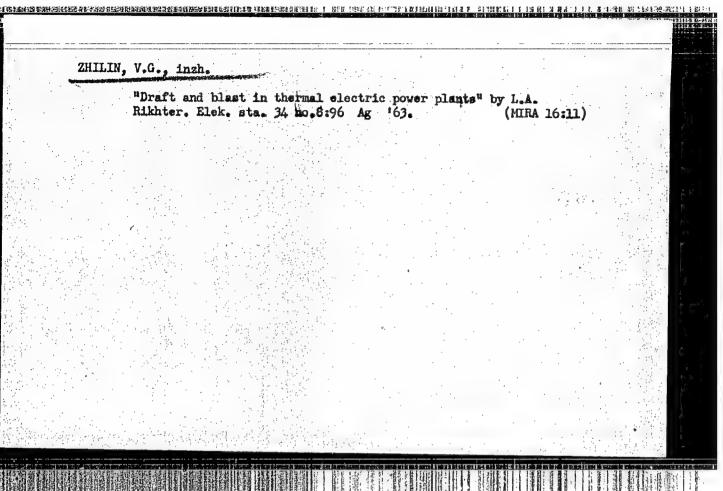
ZHILIN, V.G., iznh.; NEKRASOV, A.M., inzh.

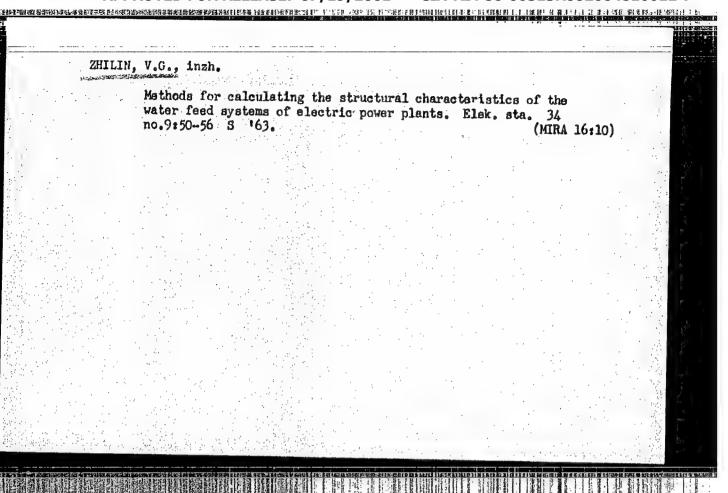
Specifications for thermal power plants to be built in the period from 1959 to 1965. Elek. sta. 31 no.6:8-24 Je *60. (MIRA 13:7) (Electric power plants)



ZHILIN, V.G., inzh.; Prinimali uchastiye: DUEROVSKIY, V.V.;
KHETAGUROV, N.Ts.; OEOLENSKIY, P.A.; UGORTS, I.I.,
inzh., red.; SMIROV, A.D., red.

[Design of large thermal electric power plants; general
problems] Proektirovanie teplovykh elektrostantsii bol'—
shoi moshchnosti; obshchie voprosy. Moskva, Energiia,
1964. 375 p. (MIRA 18:2)

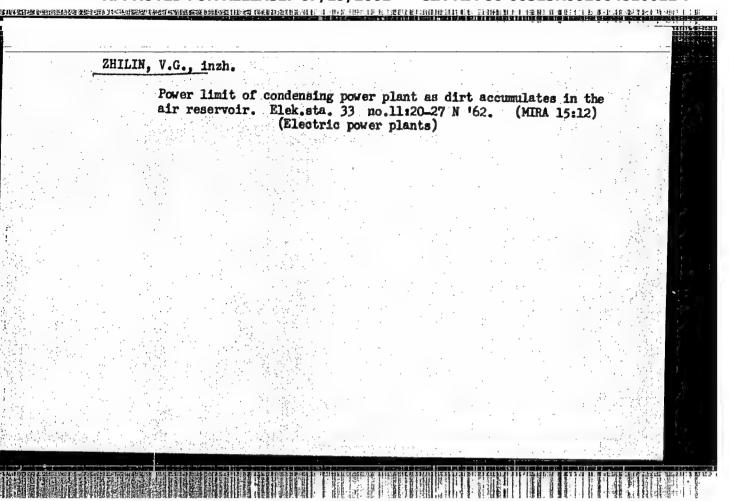




KARAULOV, N.A., AYVAZYAN, V.G., ZHILIN, V.G.

Problems of optimum peak-load coverage in a complex power system, and modern ways of dealing with them in the conditions existing in the USSR.

Report submitted for the Symposium on Peak Load Coverage Venice, 1taly, May 20-23 1963



IMERITSKIY, Matvey Iosifovich; NIKITIN, Anatoliy Pavlovich; ZHILIN, V.G., red.; FRIDKIN, L.M., tekhn. red.

[Handbook on piping and fittings for thermal electric

[Handbook on piping and fittings for thermal electric power plants] Spravochnik po truboprovodam i armature dlia teplovykh elektricheskikh stantsii. Moskva, Gosenergoizdat, 1962. 287 p. (MIRA 15:9) (Electric power plants—Equipment and supplies) (Pipe)

ZHILLE, Val., otvetstvennyy za vypusk; DOMANNYSKIT, N.A., kandidat tekhnicheskich nauk, nauchnyy redaktor; MAKKAYNTEV, N.I., professor, doktor geograficheskich nauk, nauchnyy redaktor; KRASMATA, A.K., tekhnicheskiy redaktor

[River channel work] Putewye raboty na rekakh. Moskva, Izd-vo "Rechnoi transport," 1956. 89 p. (MIRA 9:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta.

(Hivers) (Hydraulic engineering)

112-3-6541D

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3,

NAMESTRARIAS OF COLUMN NO COLUMN NO

p. 206 (USSR)

AUTHOR:

Zhilin, V.N.

TITLE:

Investigation of a Cyclic Pulse-Amplitude Telemetering System (Issledovaniye amplitudno-impul'snoy tsiklicheskoy

teleizmeritel'noy sistemy)

ABSTRACT:

Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Leningrad Electrical Engineering Institute

(Leningr. elektrotekhn. in-t), Leningrad, 1956.

ASSOCIATION: Leningrad Electrical Engineering Institute (Leningr.

elektrotekhn. in-t)

Card 1/1

8 (2)

SOV/112-58-3-4509

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1958, Nr 3, p 159 (USSR)

AUTHOR: Fremke, A. V., Semenov, Ye. I., and Zhilin, V. N.

TITLE: Amplitude-Type Cyclic Telemeter (Amplitudnaya tsiklicheskaya teleizmeritel'naya sistema)

PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1957, Nr 29, pp. 45-51

ABSTRACT: A multichannel telemeter is described that has time division of channels and amplitude modulation in each of them. Block diagrams of the systems with electromechanical and electron primary elements are presented, as well as simplified circuit diagrams of individual units. Basic error of the system (without the primary-element error) is ± 2 to 22%.

V. A. K.

Card 1/1

USCOMM-DC-61,057

对色感光的闪光运体系积积的运动感动地较,没有转动的联络重新起来的相关地 特别的光明显显得,它可以自己经济发生了18年2岁时时间接到的主义。\$P\$时间第二十年,但 1

AUTHOR. Zhilin, V. N. 57-10-27/33 On the Theory of Work of the Receiving Apparatus at Repeated TITLE. Telemeasurements (K voprosu o teorii raboty priyemnogo ustroystva pri mnogokratnykh tsiklicheskikh teleizmereniyakh). PERIODICAL. Zhurnal Tekhn. Fiz., 1957, Vol. 27, Nr Lo, pp. 2392-2397 (USSR). ABSTRACT. The problem of the dependence of the pulsating amplitude as function of the scheme parameters as well as of the impulse transmission in the case of stabilized and transition processes, which up to now has not been treated in literature, is investigated. The knowledge of this dependence as well as the possibility to determine the time of the transition process is very important, as by means of it the selection of the parameters of the measuring instrument is carried out. The theoretical analysis of the reaction of the valve scheme with a memory condenser is carried out according to the method of consecutive integration. This makes it possible to solve the problems for an already stabilized as well as for a transition state. The characteristics of this method consist in the fact that the process of the stabillization of voltage is regarded as a process of the increasing and Card 1/2 drcreasing of the voltage of the memory condenser. The effect of im-

57-lo-27/33
On the Theory of Work of the Receiving Apparatus at Repeated Telemeasurements.

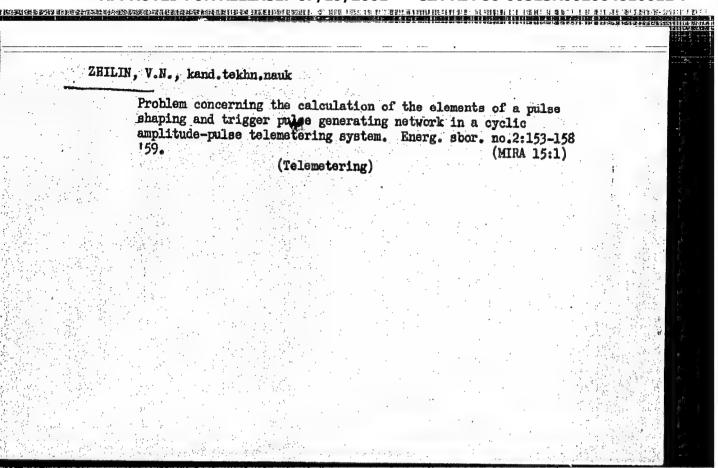
pulses as well as that of the intervals are investigated separately and regularities for their change are found. The equations for the transition state and then, with growing number of frequencies to infinite also that for the stabilized state, are deduced. Practically, the transition process, if the voltage of the condenser differs from the stabilized value only by a certain tolerable value, can be regarded as finished. Recommendations for the selection of a measuring instrument are given.

There are 5 illustrations.

SUBMITTED. November 9,1956.

AVAILABLE. Library of Congress.

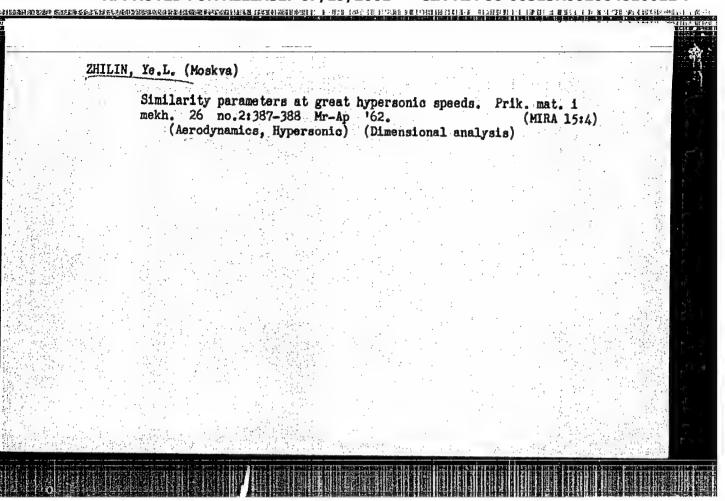
Card 2/2



ZHILIN, V.H., Cand Joch Sci—(diss) "Study of the amplitude-impulse oyolight telemensuring system." Len, 1958. 12 pp (Min. of Higher Education

USSR. Len Electro Engineering Inst im V.I.Ul'yanov (Jenia), 100 copies

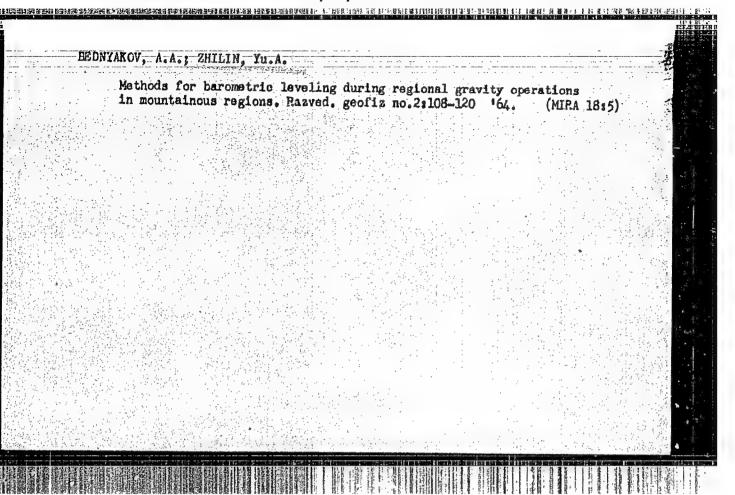
(ED, 31-58, 103)



ZHILIW. Yuriy Aleksandrovich; TSYBULEVSKIY, V.L., red.; MULIW, Ye.V., tekhn.red.

["Figures that astonished the world; foreign comments on the Soviet seven-year plan] Tsifry, petriasaiushchie mir; sarubezhnye otkliki na sovetskii semiletnii plan. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1959. 60 p. (MIRA 12:3)

(Russia--Economic policy)



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ARZUMANYAN, A.A., akademik, red.; RUMYANTSEV, A.M., red.; SHAMRERG, V.M., red.; ZHILIN, Yu.A., red.; ARDAYEV, G.B., red.; KUCHINSKIY, N.N., red.; KATSMAN, G.V., red.

[Problems of modern capitalism and the working class] Problemy sovremennogo kāpitalizma i rabochii klass; materialy obmena mneniiami, provedennogo teoreticheskim i informatsionnym zhurnalom kommunisticheskikh i rabochikh partii "Problemy mira i sotsializma" i Institutom mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR. Prague, Izd-vo "Mir i sotsializm," 1963. 610 p. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR (for Rumyantsev). (Capitalism) (Labor and laboring classes)

ACC NR: AT7003291

SOURCE CODE: UR/3152/66/000/014/0078/0086

AUTHOR: Zhilin, Yu. A.

ORG: None

TITLE: Barometric levelling in the mountains of [Soviet] Central Asia

SOURCE: Razvedochnaya geofizika, no. 14, 1966, 78-86

TOPIC TAGS: geographic expedition, geophysic expedition, geophysic research facility, geodetic survey, geodetic instrument, triangulation, barometer, helicopter, ground survey, gravimetric survey, meteorology, meteorological instrument

ABSTRACT: The experimental-production work of barometric levelling in order to obtain gravimetric points accurate to within ± 5.0 meters, done in the summer-fall period (June-October) 1964, by the VNIIGeofizik jointly with the Southern Geophysical Expedition of the GPGK of the Tadzhik SSR in the central Tadzhikistan area, is described. An MI-4 helicopter was used in the work. Data on the meteorological factors influencing the accuracy of barometric levelling in the area are listed, and the methods used for triangulation are described. Mean square errors with respect to absolute elevations of fixed points are tabulated. The spatial triangulation method is recommended as simplest and most economical for areas similar to those

Card 1/2

UDC: none

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ACC NR: AP6006374 SOURCE CODE UR/0413/66/000/002/0108/0108 Zhilin, Yu. A.; Bednyakov, A. A. AUTHORS: ORG: none TITLE: A means of barometric leveling for mountainous regions. Class 42, No. 176149 Zannounced by All-Union Scientific Research Institute of Geophysical Methods of Surveying (vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov SOURCE: Izobreteniya, promyehlennyye obraztay, tovarnyye znaki, no. 2, 1966, 108 TOPIC TAGS: surveying, mapping, geodesy, barometer ABSTRACT: This Author Certificate presents a means of barometric leveling for mountainous regions. The principle involved is one of measuring atmospheric pressure on a baric basis and at lower stations forming a reference triangle. Large numbers of observation points are defined with respect to the base stations with the use of natural values of barometric coefficients. These coefficients are obtained from the data of a single upper station of the baric basis and from stations of the reference triangle. The stations of the reference triangle should be mutually separated over large distances. SUB CODE: 08/ SUBM DATE: 11May64

40-21-2-9/22 Zhilin, Yu.L. (Moscow) AUTHOR: Wings of Minimal Resistance (Kryl'ya minimal'nogo soprotiv-TITLE: leniya) PERIODICAL: Prikladnaya Matematika i Mekhanika, 1957, Vol 21, Nr 2, pp 213-220 (USSR) If a body is flown with supersonic velocity and if it disturbes ABSTRACT: the flow only little, then the forces acting to the body can be expressed by integrals which are expanded over surfaces which surround this body. Taking the two characteristic surfaces of the body as such a surface, then one obtains for the components of the acting force : $X = \frac{q_{\infty}}{2} \iint_{S_0} \left[\beta^2 u^2 + v^2 + w^2 + 2uvf_y + 2uvf_z \right] dydz$ $Y = -U_{\infty} g_{\infty} \int_{S_{2}} (v + uf_{y}) dy dz$ $Z = -U_{\infty} \quad Q_{\infty} \quad \int_{S_2} (w + uf_z) \, dydz$. Card 1/3

Wings of Minimal Resistance

40-21-2-9/22

Here x = f(y,z) is the equation of the hinder characteristic surface F_2 , $B^2 = f_y^2 + f_z^2$, S_2 the projection of F_2 onto x = const, u,v,w the components of the velocity of disturbance, U_{∞} and f_{∞} the supersonic velocity and the density. Furthermore because of the reservation of the mass:

$$U_{\infty} \cdot \sum = - \iint_{S_2} (wf_z + vf_y + \beta^2 u) dy dz ,$$

where \sum is the difference of the projections of the final and the initial cross section of the body. These equations are used for the determination of the potential of disturbance velocity $\mathcal{J}(x,y,z)$ at the hinder characteristic surface of a wing of minimal resistance. It is shown that the sought potential satisfies a Laplace equation with mixed boundary value conditions:

(1)
$$\varphi_{\text{oyy}} + \varphi_{\text{ozz}} = 0 , \quad \varphi_{\text{o}}(y,z) = \varphi[f(y,z),y,z]$$

$$\frac{\partial \varphi_{\text{o}}}{\partial n} = q \quad \text{for} \quad y = 0, \quad -\frac{1}{2} \leq 1 \leq z \leq \frac{1}{2} \leq 1 ,$$

Card 2/3

Wings of Minimal Resistance

40-21-2-9/22

where 1 is the span width and q the Lagrange's constant depending on the uplift. The author reminds of the close relation of his formulas with the results of R.Jones [Ref 3].

Furthermore the results of a mechanical solution of (1) are collected in some tables and are discussed and the equation for the potential of disturbance velocity for bodies of minimal resistance with fixed given final cross section is established. There are 3 references, 2 of which are Soviet,

and 1 American.

SUBMITTED: August 1, 1956

AVAILABLE: Library of Congress

1. Bedies of revolution-Supersonic flex-Theory

Card 3/3

ZHILIN, Yu.L. (Moscon	w.)		A CONT. THE LEASE OF THE LEASE	
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report presented at the Mechanics, Moscow, 27	e First All-Union Co Jan - 3 Feb 1960.	ngress on Theoretic	al and Applied	